



# International Mammalian Genome Society

Appendix 12

## 17th International Mouse Genome Conference

9-12 November 2003, Braunschweig, Germany

[Plenary Presentations](#) \* [Oral Presentations](#) \*  
[Poster Presentations: Behavioural Genetics and Genomics](#) \*  
[Development and Stem Cells](#) \* [Functional Genome Analysis](#) \*  
[Mouse Models of Human Disease](#) \* [Mouse System Biology](#)  
[Bioinformatics](#) \* [Multigenic and Multifactorial Trait Analysis](#) \*  
[Nutrition and Metabolic Disease](#) \* [Phenotyping Methods Imaging](#) \*  
[The Genetics and Genomics of Infectious Disease](#) \*  
[Verne Chapman Memorial Lecture](#) \* [Table of Contents](#) \*  
[Sponsor/Exhibitor List](#) \* [Awards](#)

  

 

## Mouse Models of Human Disease

### POSTER ABSTRACTS

#### POSTERS 73 - 134

##### **73. A MOUSE MODEL OF INFLAMMATORY ARTHRITIS**

Abe K, Wagner S, Kalaydjiev S, Jakob T, Soewarto D, Fuchs H,  
Hrabe de Angelis M

##### **74. A MODIFIER SCREEN FOR HUNTINGTON'S DISEASE**

Acevedo-Arozena A, Chrobot N, Rubinsztein D C, Brown S D

##### **75. ANALYSIS OF MCRII: A CONSERVED REGION OF THE WT1 ANTISENSE TRANSCRIPT**

Allsop J, Moorwood K, Brown K, Malik K Ward A,

##### **76. CHARACTERIZATION AND MAPPING OF THE YODA MUTATION**

Barbaric I, Blake S, Hunter AJ, Brown SDM

##### **77. FUNCTIONAL ANALYSIS OF THE DEVELOPMENT OF DIABETIC NEPHROPATHY IN MOUSE MODELS OF TYPE II DIABETES**

Bentley E, Paul C L, Quarterman J M, Goldsworthy M, Cox R D

##### **78. BARTMICE (BAYLOR, REPRODUCTIVE TRANSGENICS): A NATIONAL RESOURCE OF MICE, MUTANT IN GENES AFFECTING SEX DETERMINATION AND FERTILITY**

Poirier C, Overbeek P, Bishop CE

##### **79. MOUSE SPERM AND DNA ARCHIVING - BUILDING A PLATFORM FOR GENOME RESEARCH**

Boersma A, Marschall S, Peters D, Hrabe de Angelis M

**80. PATHOGENESIS OF CD4<sup>±</sup> T CELL MEDIATED INFLAMMATION IN AN AUTOIMMUNE MOUSE MODEL OF PULMONARY DISEASE**

Bruder D, Westendorf AM., Geffers R., Gruber AD., Buer J.

**81. DEVELOPMENT OF SKIN AND HAIR-RELATED DEFECT MICE DERIVED ENU-MUTAGENESIS**

Cho KH, Nam Y Y, Cho J W, Song C W, Han S S

**82 A MUTATION IN ELOVL3 IS ASSOCIATED WITH HYPOLIPIDEMIA IN SCRAGGLY MICE**

Collins K, DiRusso C, Herron B, Flaherty L

**83. USING ENU TO DISCOVER GENES IMPORTANT FOR EYE DEVELOPMENT**

Cross SH, Thaung C, Morgan J, West K, McKie L, Brunet J F, Brown SDM, Jackson I J

**84. THE USE OF MICROARRAYS TO STUDY A MOUSE MODEL OF DISORDERS OF CHOLESTEROL BIOSYNTHESIS**

Cunningham D, Swartzlander D, Caldas H, Armbruster D, Ray W, Herman G

**85. FIRST APPROACH TO A NEW DOUBLE KO MOUSE: P21 AND P53 NULL. THE EPIGENETIC AS A KEY ANSWER FOR TUMORS**

de la Cueva E, Herranz M, Fraga MF, Esteller M, Martín-Caballero J.

**86. CONNECTING WITH PHENOTYPE: MAKING THE MOST OF WHAT WE KNOW**

Eppig JT, Smith C, Goldsmith C W, Burkhart D L, Lu I, Taylor B A, Vanden Borre P, Washburn L L, Lennon-Pierce M, Lutz C

**87. HAPLOINSUFFICIENCY OF CTCF LEADS TO TUMOR DEVELOPMENT IN MULTIPLE TISSUES IN MICE**

Moore J M, Gurley K, Kemp C, Filippova G N

**88. MUTATIONS IN DYNEIN LINK MOTOR NEURON DEGENERATION TO DEFECTS IN RETROGRADE TRANSPORT**

Hafezparast M, Ahmad-Annuar A, Ruhrberg C, Lalli G, Shima D, Toda T, Schiavo G, Ball S, Peters J, Bowen S, Martin J E, Fisher E M C

**89. FROM PHENOTYPE TO GENOTYPE: CHROMOSOMAL MAPPING AND SEQUENCING OF CANDIDATE GENES OF A HYPER IGE MOUSE MUTANT GENERATED BY GENOME WIDE MUTAGENESIS REVEALS A NOVEL MUTATION IN ZAP70**

Flaswinkel H, Soewarto D, Köllisch G, Howaldt M, Hrabe de Angelis M, Balling R, Behrendt H, Ring J, Pfeffer K, Wolf E Jakob T

**90. PATHOLOGY OF CUSTOMIZED CELL TYPE SPECIFIC AUTOIMMUNITY IN HEMAGGLUTININ-TRANSGENIC MICE**

Gruber AD, Bruder D, Westendorf AM, Templin M, Buer J

**91. CHARACTERIZATION OF MOUSE MUTANTS WITH KINKY TAIL AND COILED TAIL FROM THE MUNICHENU MUTAGENESIS SCREEN**

Grundner-Culemann E, Abe K, Fuchs H, Hrabe de Angelis M

**92. THE MOLECULAR DIFFERENCE BETWEEN RHABDOMYOSARCOMA CAUSED BY PATCHED- AND P53-MUTATIONS**

Kappler R, Bauer R, Calzada-Wack J, Rosemann M, Hemmerlein B, Hahn H

**93. JEFF, A SINGLE GENE MODEL OF OTITIS MEDIA**

Hardisty R E, Morse S A, Logan K, Guionaud S, Sancho-Oliver S, Erven A, Steel KP, Brown SDM

**94. TYPE 1 DIABETOGENIC GENES CENTROMERIC TO LMP2 IN NOD MICE**

Hattori M, Fujisawa T, Noso S, Hattori K, 1, Lund T, Haskins K, Flavell R A, Wakeland E K

**95. COMPLEMENT FACTOR 5 IS A GENETIC DETERMINANT OF LIVER FIBROGENESIS IN MICE AND HUMANS**

Hillebrandt S, Matern S, Lammert F

**96. CHARACTERISATION AND GENETICS OF A MOUSE MODEL OF HYPOPHOSPHATASIA**

Hough T, Fisher E M C, Cheeseman M, Hunter AJ, Brown SDM

**97. NOVEL MOUSE MODELS OF DIABETES MELLITUS -- IDENTIFICATION, MAPPING AND CHARACTERIZATION OF MUTANTS FROM THE RIKEN ENU MUTAGENESIS PROJECT**

Inoue M, Sakuraba Y, Motegi H, Matsui J, Toki H, Shigeyama Y, Kubota N, Kaneda H, Ishijima J, Adachi T, Kagami T, Inoue A, Wakana S, Gondo Y, Minowa O, Shiroishi T, Noda T

**98. IDENTIFICATION OF A MISSENSE MUTATION RESPONSIBLE FOR NEUROMUSCULAR DEGENERATION IN mnd2 MICE**

Jones JM, Ji W, Saunders T L, Van Keuren M L, Meisler M H

**99. INTERACTION OF SANS, THE HUMAN USHER 1G/MOUSE JACKSON SHAKER GENE PRODUCT, WITH OTHER USHER 1 GENE PRODUCTS**

Kikkawa Y, Adato A, El-Amraoui A, Kominami R, Petit C, Yonekawa H

**100. HUMAN DISEASE MODELS AT THE INDUCED MUTANT RESOURCE**

Lane DB, Rockwood S F, Mobraaten L E, Davisson M T

**101. MOUSE MODELS OF TELOMERE DYSFUNCTION**

Lechel A, Ande S, Rudolph KL

**102. DEVELOPMENT OF NEW MODELS FOR THE DOWN SYNDROME BY CHROMOSOMAL ENGINEERING IN THE MICE**

Levavasseur F, Besson V, Brault V, Duchon A, Labbe M, Luo F, Magnol L, Herault Y,

**103. LOCI ON CHROMOSOMES 2, 4, 9 AND 16 FOR BODY WEIGHT, BODY LENGTH AND ADIPOSITY IDENTIFIED IN A GENOME SCAN OF AN F<sub>2</sub> INTERCROSS BETWEEN THE 129P3/J AND C57BL/6BYJ MOUSE STRAINS**

Li X, Bachmanov A A, McDaniel AH, Lu K, Li S, Tordoff M G, Price R

**104. RETINAL COLOBOMA IN FLS MICE**

Matsuura T, Kodama Y, Ozaki K, Hirasawa S, Narama I

**105. IGF2: MULTIPLE MECHANISMS CO-ORDINATE BI-ALLELIC AND VARIEGATED EXPRESSION IN THE CHOROID PLEXUS**

Menheniott T R, Charalambous M, Bennett W R, Kelly S M, Dell G, Ward A

**106. AUTOMATED DNA PURIFICATION FROM MOUSE TAILS**

Mulrooney C, Howe S, Oultram J, Robinson J, Maloney S, Sayle J

**107. PANCREAS ANOMALY AND INTESTINAL TUMORS IN THE MOUSE SMALL EYE MUTANTS, PAX6<sup>SEY3H</sup> AND PAX6<sup>SEY4H</sup>**

Nitta Y, Yoshida K, Nakagata N

**108. TRUNCATION OF THE SHAKER-LIKE VOLTAGE-GATED POTASSIUM CHANNEL, KV1.1, CAUSES MEGENCEPHALY**

Petersson S, Persson A-S, Johansen J, Ingvar M, Nilsson J, Klement G, Århem P, Schalling M, Lavebratt C

**109. MOLECULAR CHARACTERIZATION OF THE POLYCYSTIC KIDNEY DISEASE CAUSING GENE BICC1**

Price S J, Davis K L, Guay-Woodford L M, Bryda E C

**110. MUTANT MICE SHOWING CLINICAL CHEMISTRY DEVIATIONS AS MODELS FOR HUMAN NEPHROPATHIES**

Rathkolb B, Tran TV, Klempt M, Mohr M, Soewarto D, Hoffmann S, Hrabe de Angelis M, Wolf E Aigner B

**111. NEW MUTANT MOUSE MODELS FOR INHERITED IRON METABOLISM DISORDERS**

Rathkolb B, Klempt M, Mohr M, Soewarto D, Hoffmann S, Wagner S, Hrabe de Angelis M, Wolf E, Aigner B

**112. GENETIC INSTABILITY IN A TRANSGENIC MOUSE MODEL FOR PHILADELPHIA CHROMOSOME-POSITIVE ALL**

Rudolph C, Steinemann D, Hegazy AN, Schrock E, Klein C, Schlegelberger B

**113. PHENOTYPIC CHARACTERIZATION AND MAPPING of LITTLE CHIN: an ENU-GENERATED MOUSE MUTANT THAT SHOWS CLEFT PALATE AND MICROGNATHIA**

Saadi I, Herron B J, Bjork B C, Lund J J, Maas R L, Beier DR

**114. THE *Mus spretus* VARIANT FOR *Prkdc* GENE, A FULLY DOMINANT ALLELE INVOLVED IN THE GENETIC DETERMINISM OF RESISTANCE TO GAMMA-RADIATION-INDUCED THYMIC LYMPHOMAS**

Santos J, López P, Vaquero C, Matabuena M, Villa M, Fernández P, Montagutelli X, Szatanik M, Gué net JL and Fernández-Piqueras J.

**115. GENERATION AND ANALYSIS OF A MOUSE MUTANT DEFICIENT FOR THE ADHESION MOLECULE MADCAM-1**

Schippers A, Leuker C, Gruber A, Wagner N, Mueller W

**116. IDENTIFICATION OF A NOVEL MOUSE MUSCULAR**

**DYSTROPHY AND DEVELOPMENTAL LIMB DEFECT SYNDROME**

Sher R B, Cox G A

**117. DISRUPTION OF THE IMPRINTED GENE *GRB10* IN MICE LEADS TO DISPROPORTIONATE OVERGROWTH WITH EFFECTS ON METABOLISM**

Smith F M, Charalambous M, Bennett W R, Crew T E, Mackenzie F, Ward A.

**118. SIXTY-FOUR MUTANTS FROM ENU MUTAGENESIS PROGRAM IN KIT/KRIC**

Song C W, Cho K H, Cho J W, Lee P S, Kim Y E, Cha D S, Park H J, Kim C M, Kang M S, Nam Y Y, Yoon S J, Han S S

**119. CHARACTERISATION AND GENETIC MAPPING OF THE PROGRESSIVE DEAFNESS MOUSE MUTANT OBLIVIOUS**

Spiden S L, Fuchs H, Hrabe de Angelis M, Steel K P

**120. UPDATE FROM JAX PGA: HIGH-THROUGHPUT PHENOTYPING OF MUTAGENIZED AND INBRED STRAINS PROVIDES ROBUST NEW MODELS OF HUMAN DISEASE**

Svenson K L, Paigen B, O'Brien T P, Bult C J, Macauley J B, Peters L L

**121. CHARACTERIZATION OF *alien*, AN ENU-DERIVED MUTANT MOUSE WITH DEFECTS IN THE SONIC HEDGEHOG SIGNALING PATHWAY**

Tran P, Herron B, Parker K, Qiu H, Beier D R

**122. CHARACTERISATION OF ENU MUTANTS THAT ARE POTENTIAL MODELS FOR HUMAN CARDIOVASCULAR DISEASE**

Van Agtmael T, McKie L, West K, Cross S, Jackson I J

**123. A SYSTEMATIC, PHENOTYPE-DRIVEN MUTAGENESIS FOR GENE FUNCTION STUDIES: RECENT RESULTS OF THE MUNICH ENU-MOUSE-MUTAGENESIS SCREEN**

Soewarto D, Wagner S, Rathkolb B, Fuchs H, Mohr M, Klempt M, Howaldt M, Kalaydjiev S, Franz T, Schneider I, Marschall S, Boersma A, Schäble K, Tiedemann H, Schneltzer E, Steinkamp R, Alessandrini F, Jakob T, Binder E, Kremmer E, Behrendt H, Ring J, Zimmer A, Peters C, Flawinkel H, Busch D, Pfeffer K, Klopstock T, Gekeler F, Ohl F, Balling R, Wolf E and Hrabe de Angelis M

**124. ENU-INDUCED MUTANTS WITH HYPERACTIVITY: TOWARD A MOUSE MODEL OF ATTENTION DEFICITS AND HYPERACTIVITY DISORDER (ADHD)**

Wada Y, Masuya H, Kaneda H, Ishijima J, Kobayashi K, Kawai A, Kushida T, Nishii R, Gondo Y, Noda T, Wakana S, Shiroishi T

**125. RUBY EYE ACTS SEMIDOMINANTLY TO AFFECT HPS PATHWAYS**

Webb L S, Gwynn B, Ciciotte S L, Smith R S, Peters L L

**126. CD4+ T CELL MEDIATED CHRONIC INTESTINAL DISEASE: IMMUNE REGULATION VERSUS INFLAMMATION**

Westendorf A M, Geffers R, Templin M, Buer J, Bruder D.

**127. INADVERTANT INACTIVATION OF A NEARBY GENE**

**IDENTIFIED BY ANALYSIS OF SEVERAL PLANH2 KNOCKOUT  
MOUSE LINES**

Westrick R J, Mohlke K L, Korepta L M, Manning S L, Aiyagari A,  
Dougherty K M, Ginsburg D

**128. A SENSITIZED ENU MUTAGENESIS SCREEN FOR  
DOMINANT GENETIC MODIFIERS OF THROMBOSIS IN THE  
FACTOR V LEIDEN MOUSE**

Westrick R J, Manning S L, Aiyagari A, Siemieniak D R, Korepta L  
M, Ginsburg D

**129. FUNCTIONAL CHARACTERISATION OF GENE TRAP  
MOUSE MUTANTS**

Yalcin S, Floss T, Knobeloch K P, Eichele G, Melchner Hv, Wurst W,  
Lehrach H, Ruiz P

**130. A SMALL DELETION HOTSPOT IN THE TYPE II KERATIN  
GENE *K6irs1/Krt2-6g* ON MOUSE CHROMOSOME 15, A  
CANDIDATE FOR CAUSING THE WAVY HAIR OF THE Caracul  
(Ca) MUTATION**

Kikkawa Y, Oyama A, Ishii R, Miura I, Amano T, Ishii Y, Yoshikawa  
Y, Masuya H, Wakana S, Shiroishi T, Taya C, Yonekawa H

**131. GENETIC ANALYSIS OF THE HAIRPOOR MICE DERIVED  
FROM ENU-MUTAGENESIS**

Kim J K, Kim E, Cha D S, amNam Y Y, Song C W, Yoon SK

**132. SEX HORMONE RESPONSIBLE FOR GENERATION OF  
HEPATOCELLULAR CARCINOMA IN TRANSGENIC MICE  
EXPRESSING M-H-RAS**

Wang A G, Moon H B, Lee D S, Yu DY

**133. "MONTEZUMA" – A GENETIC IBD MOUSE MODEL  
CAUSED BY MUTATION OF A NOVEL GENE**

Zeitlmann L, Schneider B, Grosse J

**134. THE EUROPEAN MOUSE MUTANT ARCHIVE (EMMA)**

Zeretzke S, Tocchini-Valentini G, Herault Y, Brown S, Ahrlund-  
Richter L, Mallo M, Cameron G, Hrabe de Angelis M

---

Send the url of this page to a friend

---

[Newest Abstracts](#) \* [Officers](#) \* [Bylaws](#) \* [Application Form](#) \* [Meeting Calendar](#) \* [Contact  
Information](#) \* [1999 Abstracts](#) \* [Home](#) \* [Resources](#) \* [News and Views](#) \* [Membership](#)

 

Base url <http://imsgs.org>

Last modified: Wednesday, December 31, 2003

[Disclaimers](#) \* [Webmaster](#)